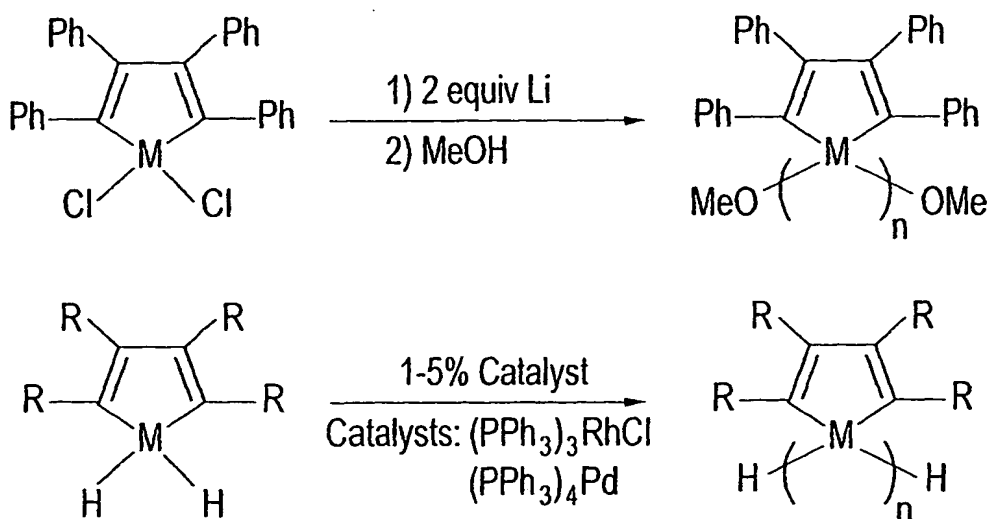
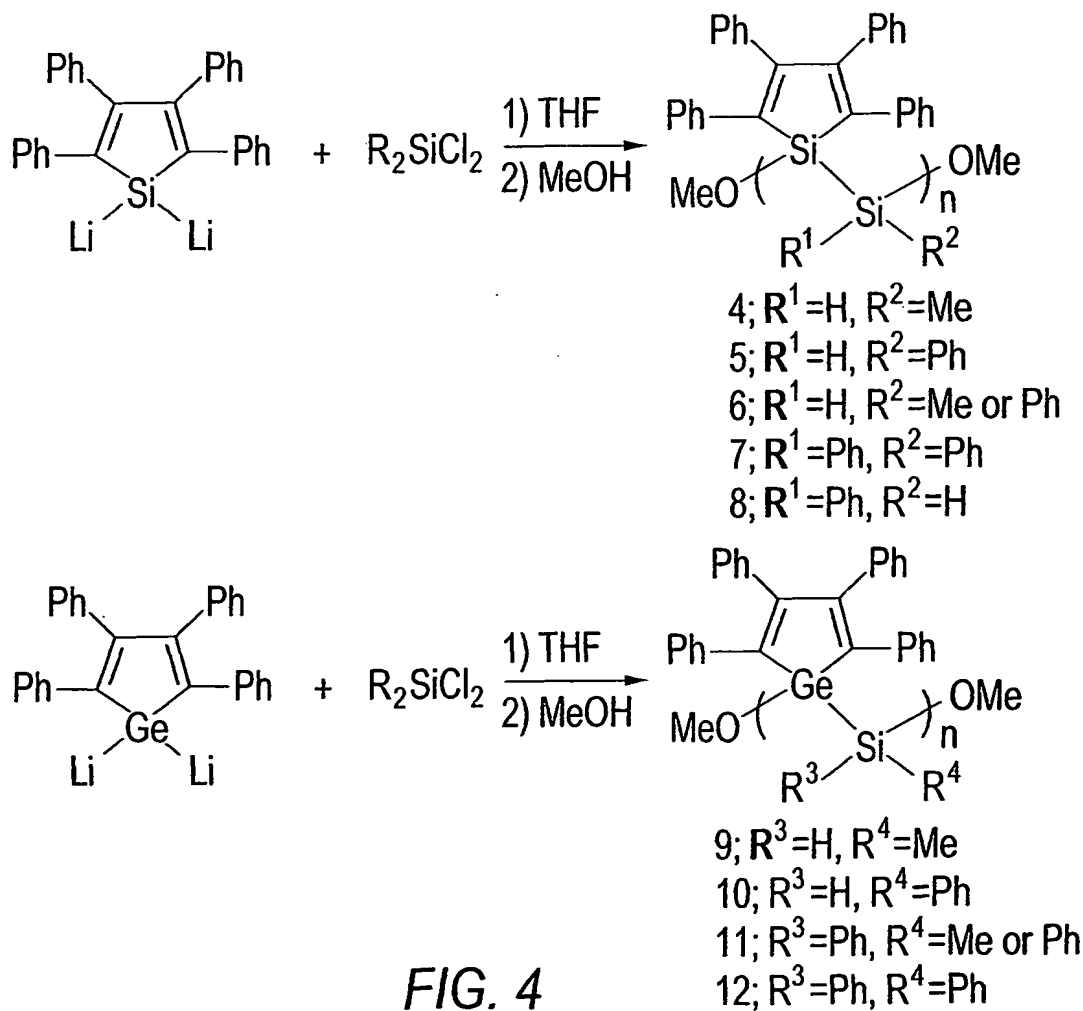
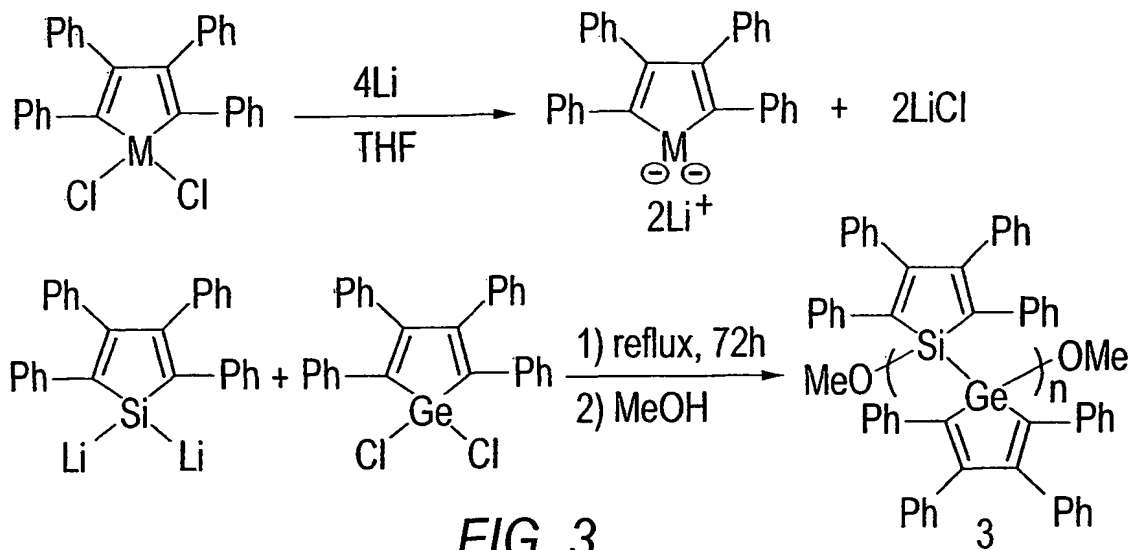


FIG. 1



where R is a H or an alkyl or aryl group selected from the group consisting of Me or Ph; and  
 where M is selected from the group consisting of Si and Ge

FIG. 2



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polymers	$M_w$	$M_n$	$\lambda_{\text{abs}} \pi - \pi^*,$ $\sigma - \sigma_2 + \pi^*$		$\lambda_{\text{fluo}} (\text{nm})$	$K_{\text{SV}} (\text{M}^{-1})$				$t (\times 10^{-9} \text{s})$
			(nm)			PA	TNT	DNT	NB	
1	$6.2 \times 10^3$	$5.4 \times 10^3$	368, 314		513	11 000	4340	2420	1200	0.70 <sup>c</sup>
2	$4.6 \times 10^3$	$4.4 \times 10^3$	368, 302		499	6710	2050	1010	320	0.28 <sup>d</sup>
3	$5.5 \times 10^3$	$5.0 \times 10^3$	364, 302		510, 385	8910	3050	1730	753	0.43
4	$4.4 \times 10^3$	$4.2 \times 10^3$	370, 318		491	9120	3520	2060	1150	2.33
5	$4.5 \times 10^3$	$4.1 \times 10^3$	370, 320		488	10 700	3940	2380	1230	1.34
6	$4.8 \times 10^3$	$4.1 \times 10^3$	368, 320		489	8420	3030	2010	735	2.20
7	$5.0 \times 10^3$	$4.8 \times 10^3$	364, 318		493	10 800	3430	2330	965	0.62
8	$4.6 \times 10^3$	$4.0 \times 10^3$	366, 324		505, 385	9350	3680	2340	864	2.70
9	$4.9 \times 10^3$	$4.4 \times 10^3$	364, 304		483, 400	10 300	3990	2570	1140	0.27
10	$4.4 \times 10^3$	$4.2 \times 10^3$	364, 304		486, 400	9990	3330	2000	965	0.35
11	$4.1 \times 10^3$	$3.9 \times 10^3$	364, 304		484, 400	8740	3430	2210	986	0.26
12	$5.4 \times 10^3$	$5.0 \times 10^3$	364, 306		480, 402	9840	3340	2150	936	0.22

FIG. 5

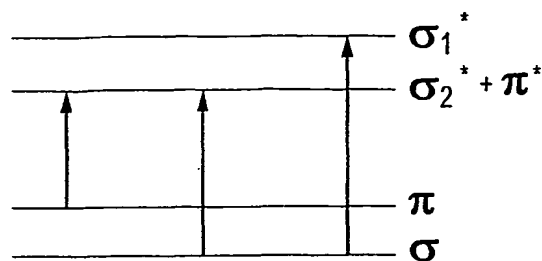


FIG. 6

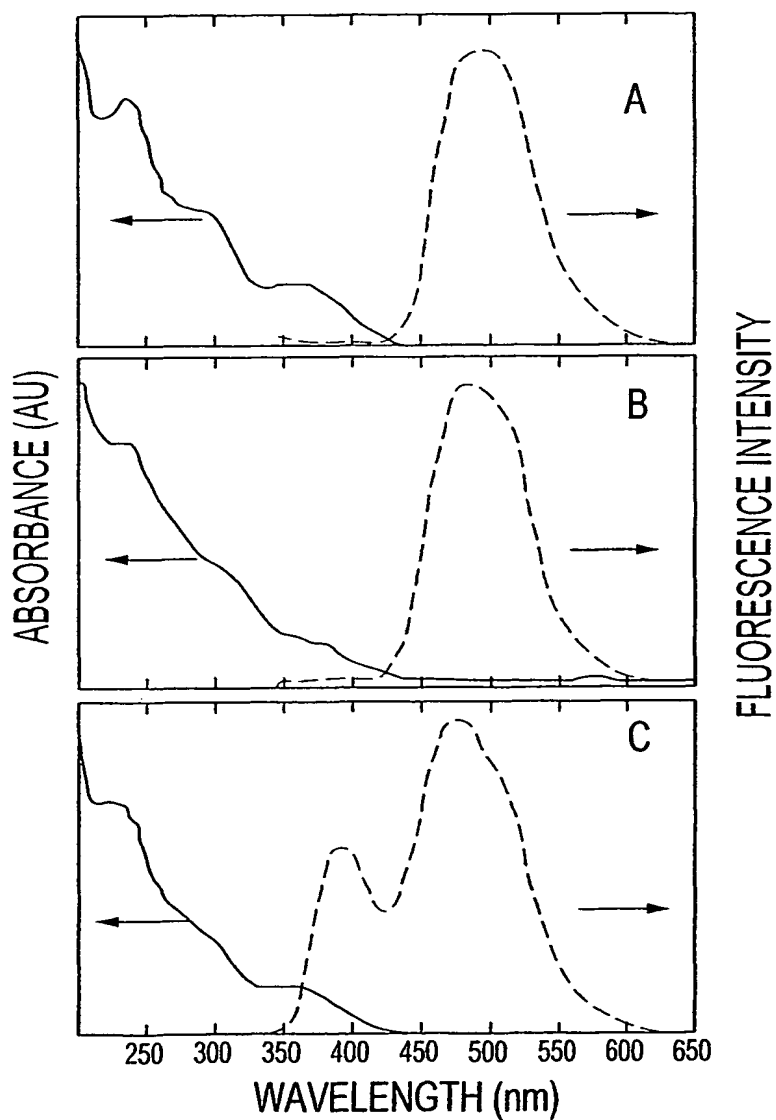


FIG. 7

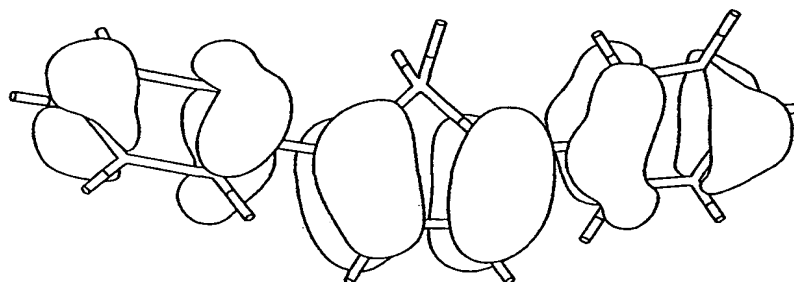


FIG. 8A

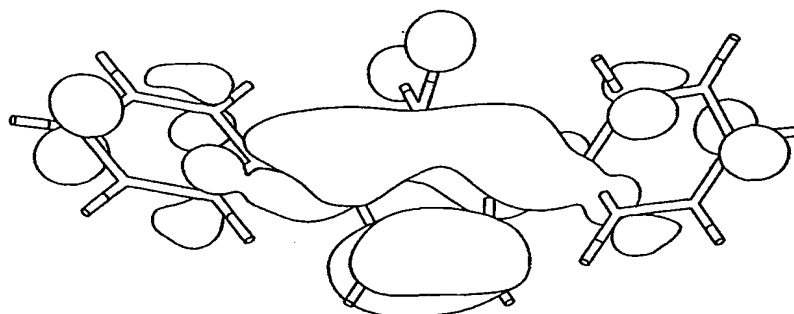


FIG. 8B

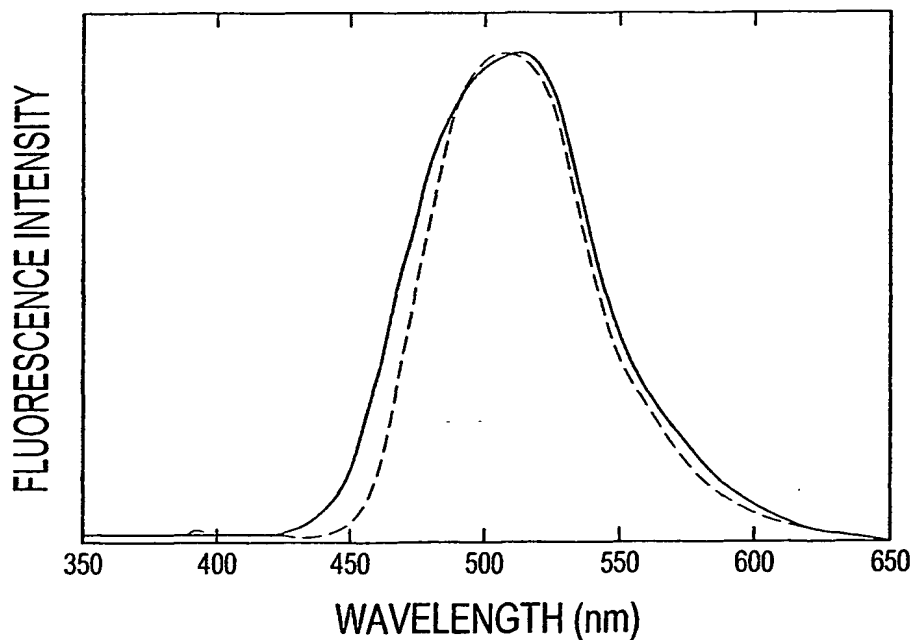


FIG. 9

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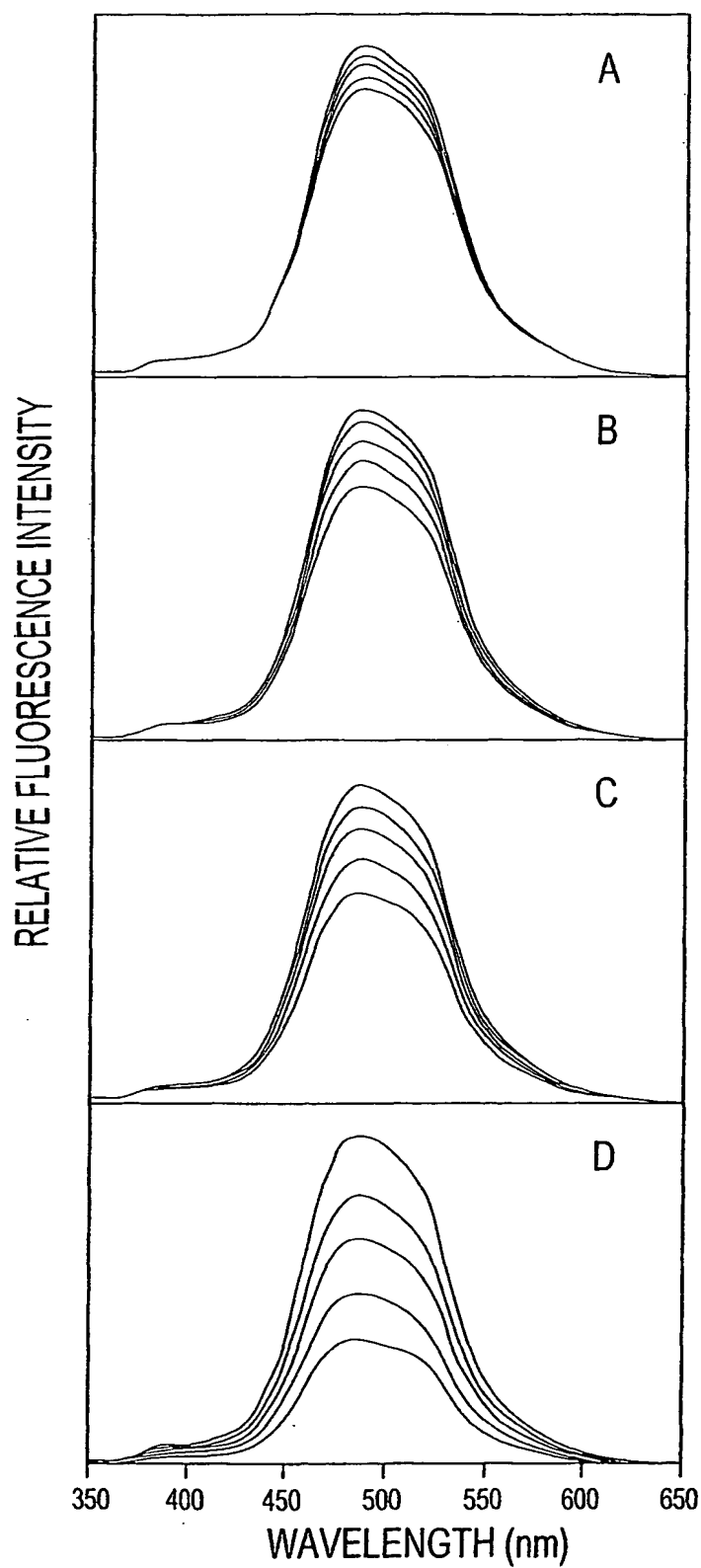


FIG. 10

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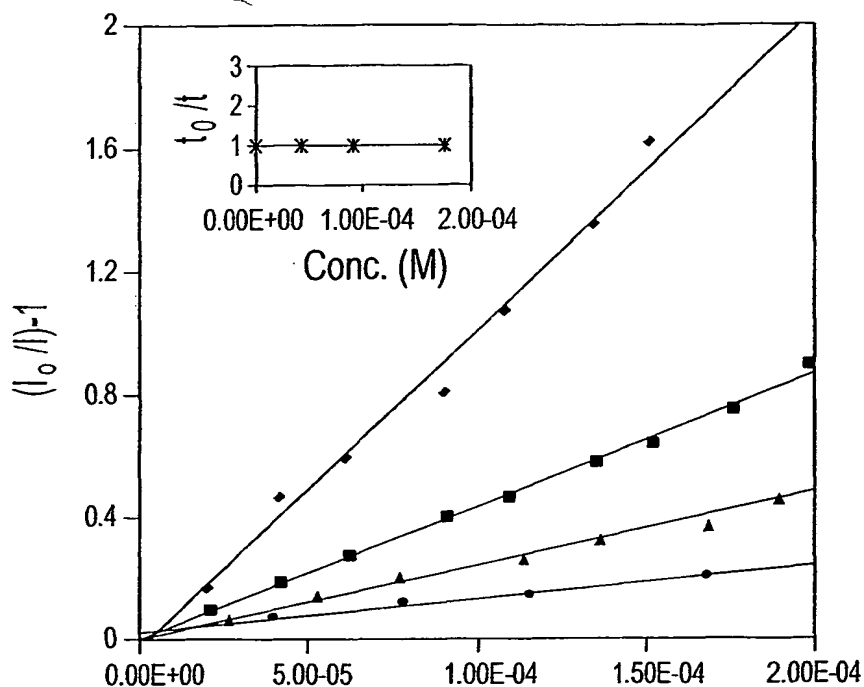


FIG. 11A

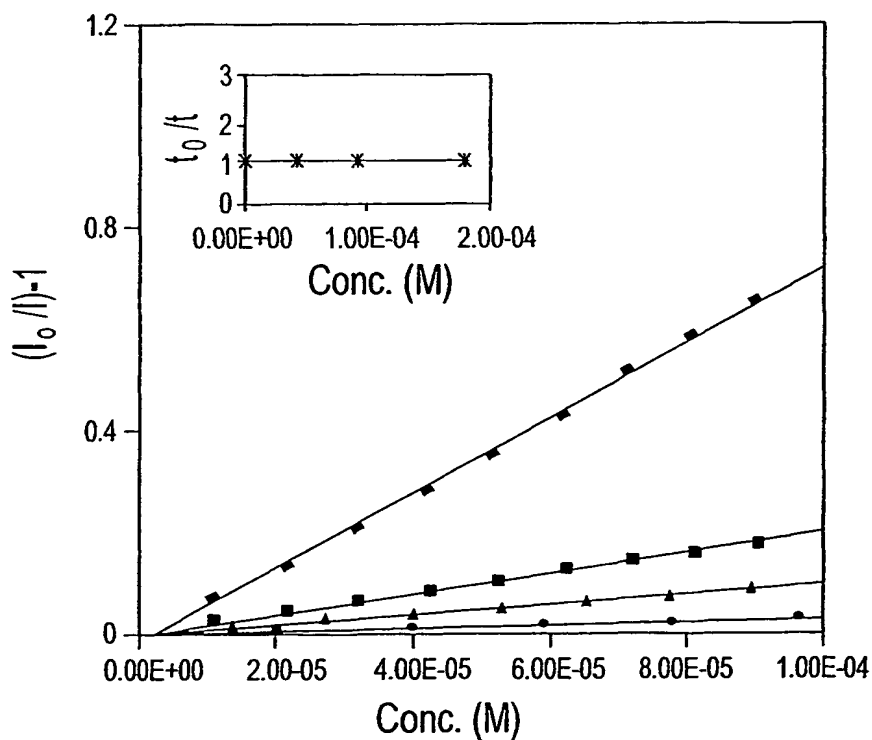


FIG. 11B

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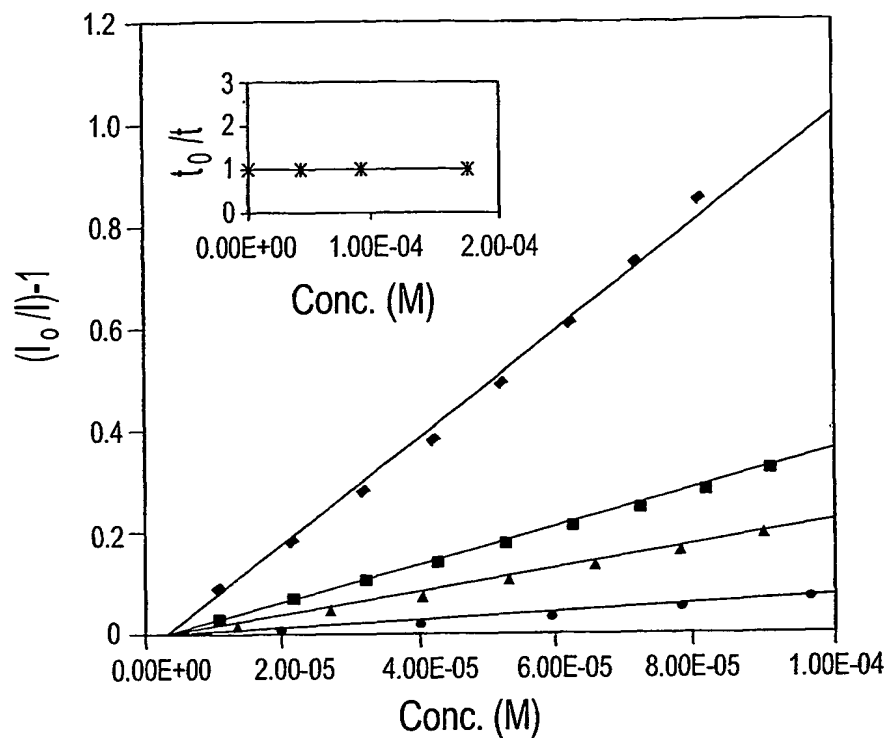


FIG. 11C

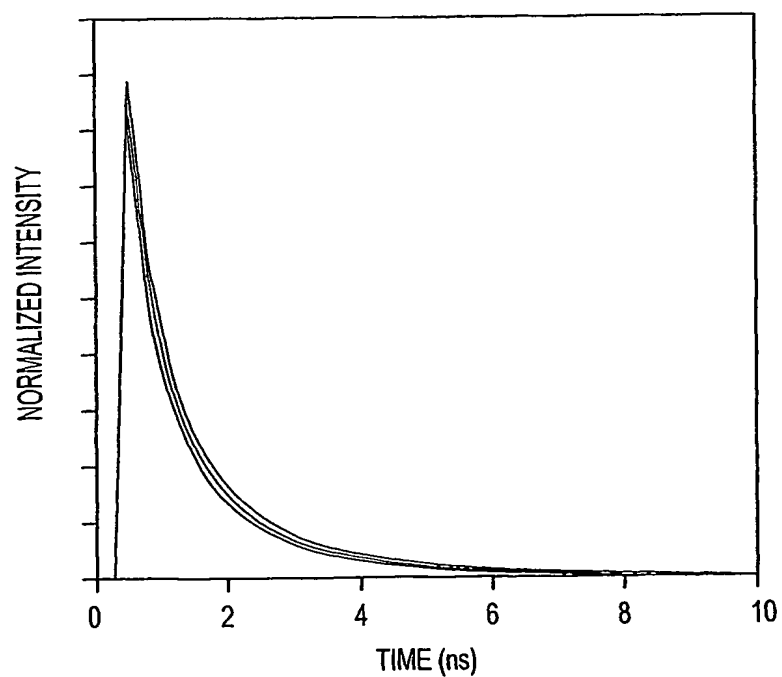


FIG. 12



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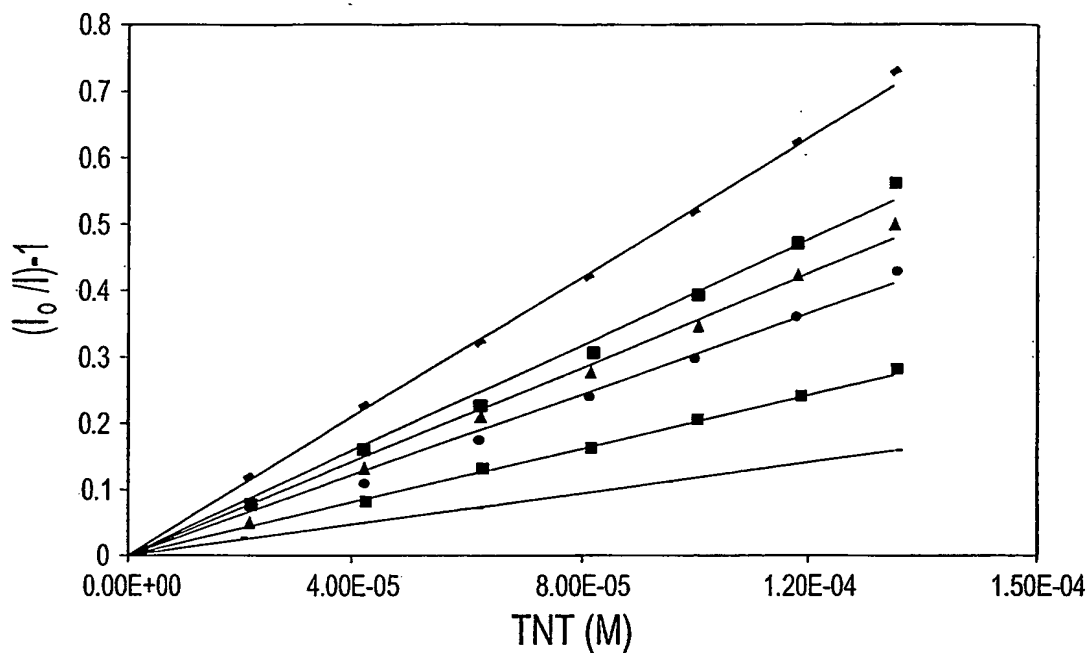


FIG. 13

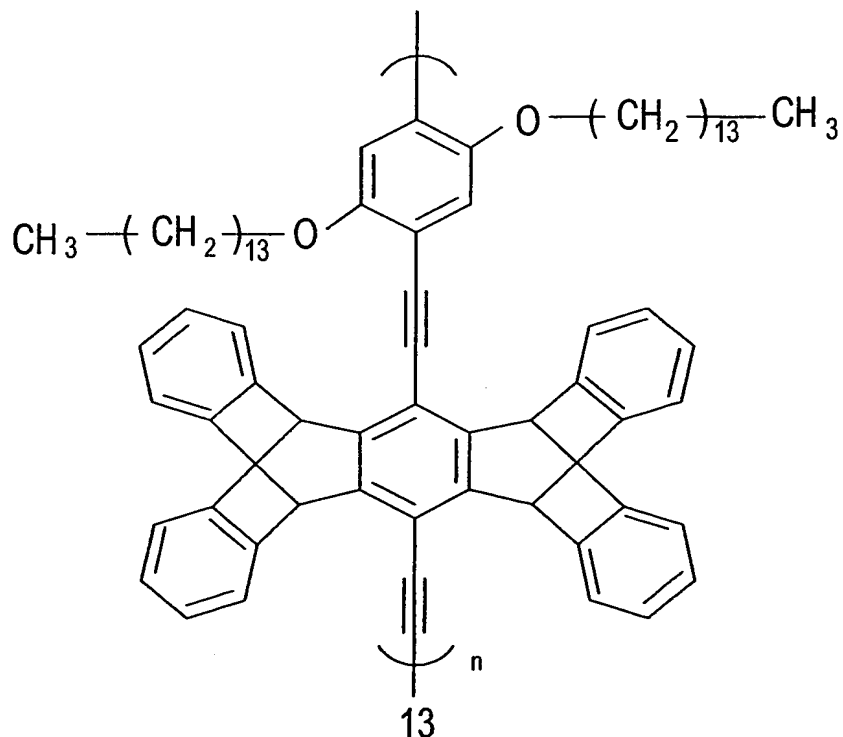


FIG. 14

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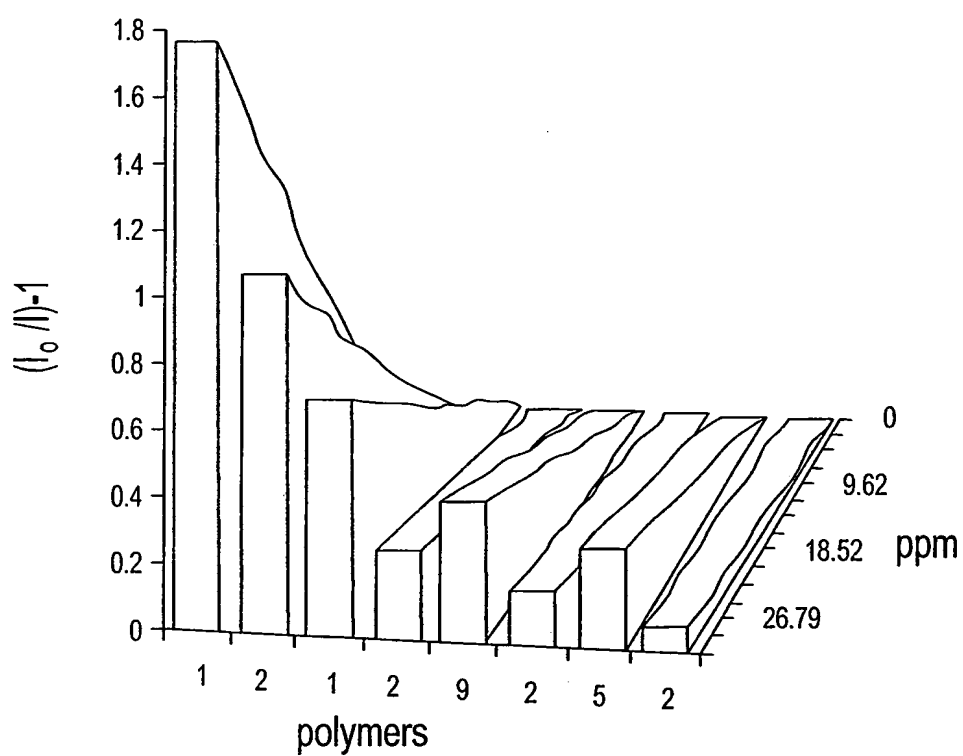


FIG. 15

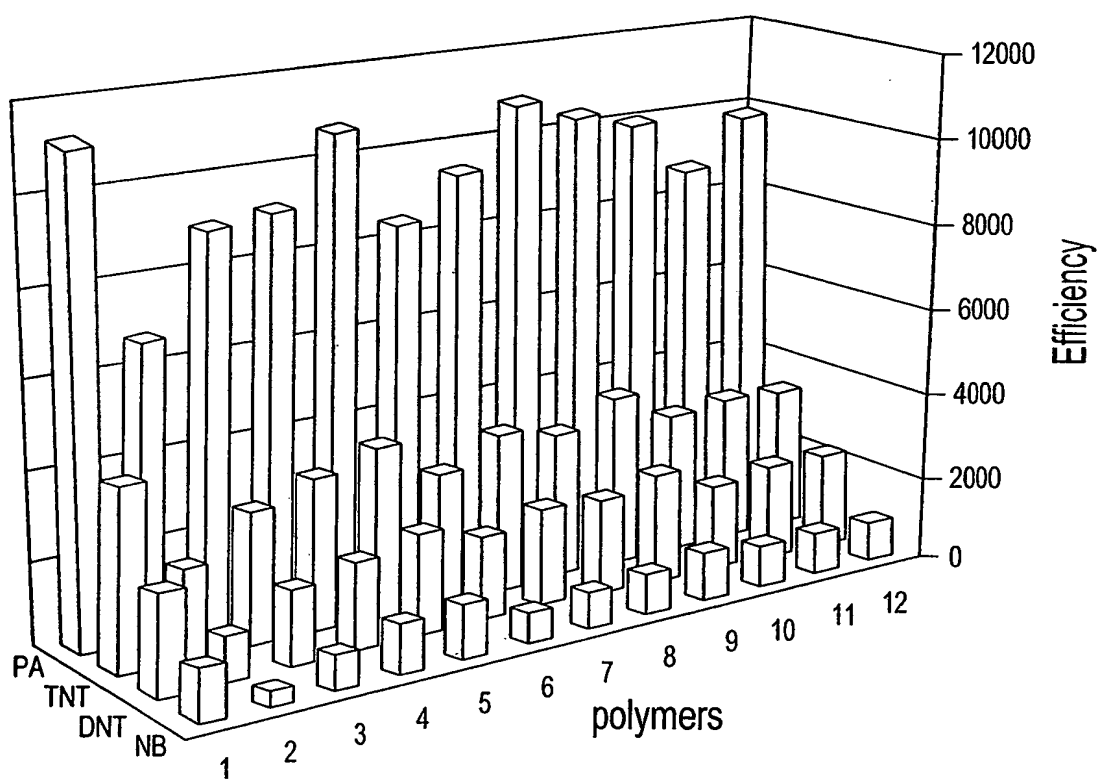


FIG. 16

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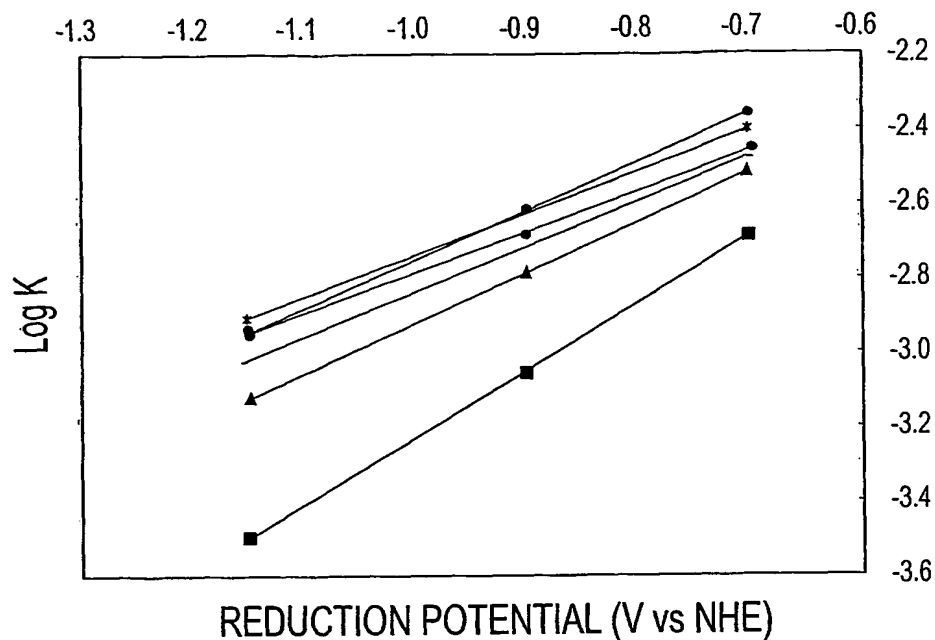
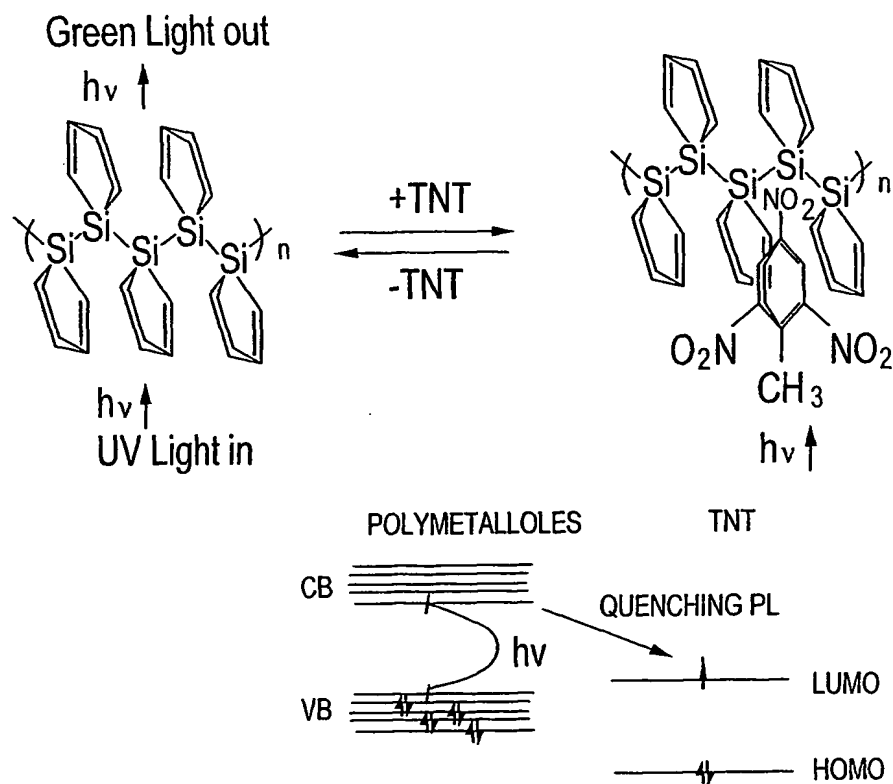


FIG. 17



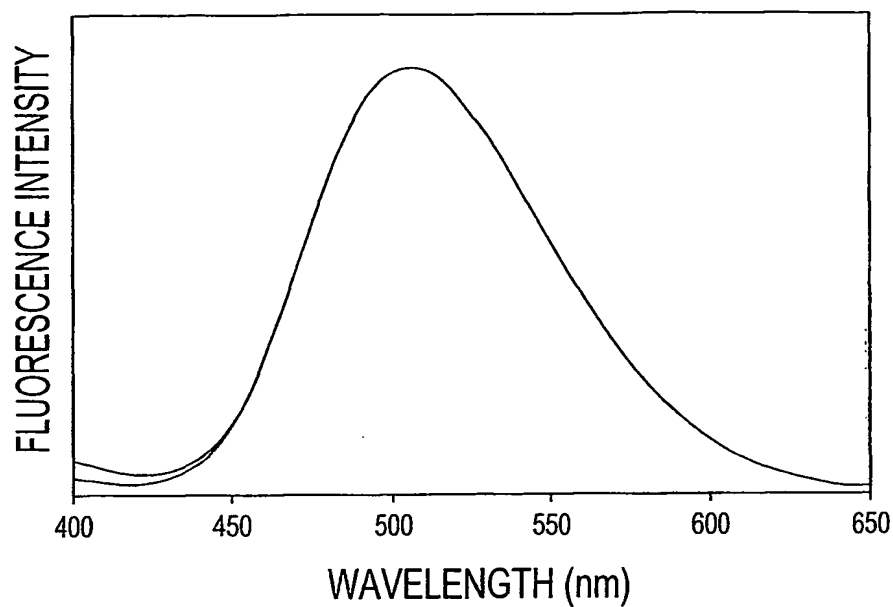


FIG. 19

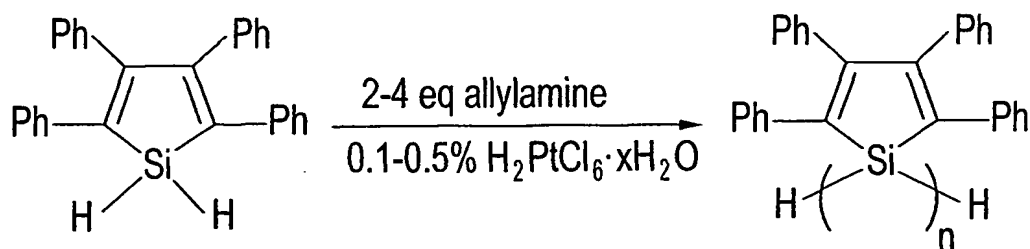


FIG. 20